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TRANSPLANTED STOCK + SEEDS + FERNS



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U.S. DEPT. OF AGRICULTURE

BULBS + PLANTS + CHRISTMAS TREES

*Forest and Ornamental
Trees & Shrubs*

AMERICAN FORESTRY COMPANY
PEMBINE, WISCONSIN



AMERICAN ARBOR VITAE
(*Thuja Occidentalis*)

When To Plant

In some localities and for some varieties Fall planting is preferable. Other planters agree that Spring is the best season to plant trees, shrubs and plants. Most of our orders call for Spring shipments—late March, April and May.

Evergreens and conifers are planted with a good deal of success in late August and early September.

Deciduous trees and shrubs do well if planted in late September and October.

For perennial flowers, ferns and plants, Fall planting is preferable—August to October. They do well planted in the Fall and will be in the ground ready to respond to the first growing urge in the Spring.

Cuttings of trees and shrubs must be planted in the Spring only and as early as practical.

The American Arbor Vitae is very hardy and useful for landscape development. It stands trimming well and is much planted for evergreen hedges, but if grown as a tree it gets to be of good size, perfect shape and beautiful without trimming or pruning. It is sometimes planted in rows a few feet apart and allowed to grow without trimming or cutting back. The branches will interweave and make a most efficient windbreak. The fern-like foliage is very dense, soft and of a deep green color. In beginning its growth the arbor vitae is more like the junipers and different from other coniferous evergreens. Our seedlings are grown from seeds collected in northern Wisconsin, the best type available, and we have growing a very large number of all sizes listed and can fill orders promptly. This tree does not start its growth as early as Spruce and Pines and can be shipped from April until June and September until November. Nurserymen and florists can grow from our four to eight inch size at very reasonable prices. No collection of evergreen trees is complete without American Arbor Vitae. Seldom attacked by insects; the foliage contains cedar oil which protects and preserves it, retaining its color and remaining soft and pliable for weeks after being cut from the branches, the sprays are used by florists for decorative purposes.

AMERICAN FORESTRY COMPANY

Pembine, Wisconsin, U. S. A.

All shipments are FOB Pembine, Wisconsin, except as listed in our Prepaid Bargains. Bales and containers are free.

HANDLING OF EVERGREENS

In the handling of evergreens, never allow the roots to become dry. Their sap is resinous and once hardened no amount of moisture will dissolve. Dip the roots in thin mud as soon as unpacked and leave them there until setting out. Deciduous trees require the same treatment but will not dry out so quickly. Use plenty of water when planting—thorough watering and alternate thorough cultivation after planting every ten days until trees are well established.

We prepare trees for shipment immediately after being dug up. The roots are dipped in a composition of clay and water, then packed in damp moss and rolled firm in kraft paper; leaving the tops free and excluding air from the roots. The bundle is then wrapped in burlap, well tied and securely sewed, making a neat package—not too heavy to ship by express, same being preferable. We will not use other modes of transportation unless ordered by purchaser.

Seedlings and evergreens can be taken up with ball of earth attached and can be wrapped with sphagnum moss and cotton twine; to be planted with twine and moss intact. Moss is beneficial for tree growth, absorbing and storing surplus moisture to be taken in by tree as needed. Trees will grow more rapidly and luxuriantly than if planted in the ordinary way. Burlap is used inside twine on larger trees and junipers.



EVERGREENS AND CONIFEROUS TREES



For windbreak, shelter belt or landscape ornamental work evergreens are indispensable. These Specimen Evergreens are several times transplanted, are balled and burlapped and packed for shipment at no extra charge. Figure after size denotes number of transplantings.

18 to 24 inches, ³ each	.....	\$2.00
12 to 18 inches, ² each	.....	.75
8 to 12 inches, ¹ each	.....	.50
6 to 8 inches, ¹ each	.....	.25

Abies Balsamea—*Balsam Fir*—A most beautiful evergreen, wide spreading branches, very best type; origin in Northern Wisconsin.
Abies Pectinata—*European Fir*—Green foliage. Are medium sized. Very ornamental.

Abies Concolor—*Colorado Silver Fir*—One of the best silvery blue foliages always true to color. Very ornamental.

Juniperus Virginia—*Red Cedar*—Very pretty type from Northern Wisconsin. Much superior to Southern Red Cedar; very hardy.

- Juniperus Scopolorum—*Black Hills Silver Cedar*—A beautiful type from the Black Hills. Foliage silvery blue. Grows to medium size.
- Larix Americana—*American Larch*—Origin Northern Wisconsin. Of rapid growth, valuable for many uses.
- Larix Europea—*European Larch*—Somewhat similar to the American variety only more sturdy and not so tall.
- Picea Engelmanni—*Engelman Spruce*—From the mountains of Colorado. Blue colored foliage, very ornamental.
- Picea Excelsa—*Norway Spruce*—One of the most well known and widely planted varieties.
- Picea Excelsa Borealis—*Polar Spruce*—Origin Finland. One of the hardiest; small size, beautiful foliage.
- Picea Canadensis—*White Spruce*—One of the very best of the spruce. Will stand transplanting better than any other evergreen, of rapid growth and perfect form. Foliage is a silvery green. Origin Wisconsin and Michigan.
- Picea Canadensis Albertina—*Black Hills Spruce*—Of sturdy growth, compact dense foliage, perfect form, resembles the white spruce.
- Picea Mariana—*Black Spruce*—Of perfect conical shape, foliage dark, very beautiful, origin Northern Wisconsin.
- Picea Pungens—*Colorado Blue Spruce*—The steel blue foliage of this variety is very beautiful and makes a pleasing contrast planted among other evergreens of a lighter shade.
- Pinus Aristata—*Bristle Cone Pine*—From the Rocky Mountains of Colorado where it grows at a high elevation close to the snow line. Dark colored heavy foliage, very ornamental.
- Pinus Austriaca—*Austrian Pine*—Extremely hardy, has been known to thrive on sandy shores exposed to severe ocean gales. Perfect pyramidal form.
- Pseudotsuga Douglassi—*Douglas Fir*—From Northern Colorado. Wide spreading, tall and stately for ornamental, shade or landscape.
- Pinus Divaricati—*Banksian Pine*—Will grow on the poorest barren soils. Has no equal for a beginning in reforesting on sandy lands.
- Pinus Ponderosa—*Western Yellow Pine*—Origin the Black Hills region. Very long foliage, large growing, valuable for reforesting.
- Pinus Strobus—*White Pine*—Large growing, majestic, of great value for lumber. The pine of New England, Wisconsin and Michigan.
- Pinus Densiflora—*Japanese Pine*—A hardy ornamental tree; dense foliage.
- Pinus Resinosa—*Norway Pine*—Handsome and straight growth, long heavy foliage valuable for ornamental planting or reforesting.
- Pinus Sylvestrus—*Scotch Pine*—Of extreme hardiness and vigorous growth. Thrives on poor soils.
- Tsuga Canadensis—*Canadian Hemlock*—Of a splendid appearance, very dense long drooping branches.
- Thuja Orientalis—*Chinese Arbor Vitae*—Of a perfect shape, beautiful colored foliage.
- Thuja Occidentalis—*American Arbor Vitae*—Has no equal and should be in every collection. Of medium size, perfect shape and very beautiful.

For the growing of Christmas trees we recommend planting of Black Spruce (*Picea Mariana*), Balsam Fir (*Abies Balsamiae*), Norway Spruce (*Picea Excelsa*), White Spruce (*Picea Canadensis*), and Douglas Fir (*Pseudotsuga Douglasii*).



Low growing types of evergreens of extreme value for edging, ornamental lawn grouping, background planting and natural pool development.



Taxus Canadensis—*American Yew*
 Juniper Dupressa Aurea—*Black Hills Juniper*
 Juniperus Chinensis—*Chinese Juniper*
 Juniper Communis—*Common Juniper*
 Juniper Hibernica—*Irish Juniper*
 Taxus Cuspidata—*Japanese Yew*
 Juniperus Sabina—*Sabin Juniper*

Pinus Mugho Compacta—*Dwarf Mountain Pine*
 Thuya Occidentalis Globosa—*Globe Arbor Vitae*
 Juniperus Pfitzernia—*Pfitzers Juniper*
 Thuya Pyramidalis—*Pyramidal Arbor Vitae*
 Juniperus Communis Dupressa—*Wisconsin Juniper*

DECIDUOUS TREES

We can furnish description on request. Many of the kinds are well known; all of them have a part to fill in reforesting. Mixed with the evergreen varieties, as found growing in our native forests, both kinds seem to thrive well. In late autumn the different colors and many hues of the deciduous trees mingle in contrast with the lighter and darker shades of the evergreens and create a pleasing scene not likely to be surpassed in beauty.

3 to 4 feet—\$.15 each; \$1.50 per dozen; \$10.00 per hundred
 4 to 5 feet— .20 each; 2.00 per dozen; 15.00 per hundred
 5 to 6 feet— .25 each; 2.50 per dozen; 20.00 per hundred
 6 to 7 feet— .50 each; 5.00 per dozen; 40.00 per hundred

Alanthus Glandulosa—*Tree of Heaven*
 Sorbus Americana—*American Mountain Ash*
 Acer Rubrum—*American Red Maple*
 Betula Payparacea—*American White Birch*
 Tilla Americana—*American Linden*
 Ulmus Americana—*American White Elm*
 Fagus Americana—*American Beechnut*
 Robinia Pseudacacia—*Black Locust*
 Fraxinus Sambucifolia—*Black Ash*
 Prunus Serotina—*Black Cherry*
 Populus Candicans—*Balm of Gilead*
 Acer Negundo—*Box Elder*
 Ulmus Parvifolia—*Chinese Elm*
 Populus Deltoides—*Carolina Poplar*
 Fraxinus Lanceolata—*Green Ash*
 Juglans Cinera—*Butternut*
 Tilla Parvilofia—*European Linden*
 Carpinus Americana—*Hop Hornbeam*
 Populus Nigra Italica—*Lombard Poplar*
 Acer Plantanoides—*Norway Maple*
 Acer Dasycarpum—*Soft Silver Maple*
 Acer Sacharinum—*Sugar Maple*
 Populus Tremoloides—*Shaking Aspens*
 Alanthus Glandulosa—*Tree of Heaven*
 Populus Alba—*Wild Silver Leaf Poplar*
 Betula Lutea—*Yellow Birch*
 Fraxinus Americana—*White Ash*
 Prunus Pennsylvanica—*Wild Red Cherry*

Large Deciduous Trees not listed elsewhere in catalog are as follows: *Juglans Nigra* (*Black Walnut*), *Betula Europea* (*European White Birch*), *Sorbus Aquaria* (*European Mountain Ash*), *Catalpa Speciosa* (*Western Catalpa*). Prices 5 to 6 feet at \$1 each. \$9.00 per dozen.

EVERGREEN SEEDLINGS

Our evergreen seedlings and potted liners are propagated from the best seeds and cuttings obtainable. All are nursery or greenhouse grown. These take hold readily and grow rapidly and if given reasonable careful cultivation and attention will develop into trees in a year or two that will compare favorably with any transplants. The price we ask is very low and these are the most profitable trees you can purchase. We have the following varieties of seedlings:

Balsam Fir, White Spruce, Canadian Hemlock, Douglas Fir, Jack Pine, European Larch, Western Yellow Pine—4 to 6 inches, \$15 per 1000; 50 trees and up at 1000 rates. Less than 50 trees of one variety at 3 cents each.

American Arbor Vitae (White Cedar), Norway Spruce, Scotch Pine—4 to 8 inch, \$10 per 1000. 50 trees and up at 1000 rates. Less than 50 trees of one variety at 3 cents each.

Colorado Blue Spruce, Engelmann Spruce, Colorado Silver Fir, Norway Pine, Mugho Pine, White Pine, Black Hills Spruce—4 to 6 inch, \$25 per 1000. 50 trees and up at 1000 rates. Less than 50 trees of one variety at 5 cents each.

Large evergreens and coniferous tree seedlings. Austrian Pine, Japanese Pine, European Larch, White Cedar, Black Spruce, Canadian Hemlock, Red Cedar, White Spruce, Common Juniper—2 to 3 feet, 15 cents each; \$1.50 per dozen; \$10 per 100.

Balsam Fir, White Spruce—8 to 12 inches, \$20 per 1000; 12 to 18 inches, \$25 per 1000. 50 trees and up at thousand rates. Less than 50 trees: 8 to 12 inches, 4 cts. each; 12 to 18 inches, 5 cts. each.

American Arbor Vitae (White Cedar), Norway Spruce, Scotch Pine, and Jack or Banksian Pine—8 to 12 inches, \$15 per 1000; 12 to 18 inches, \$20 per 1000. 50 trees and up at thousand rates. Less than 50 trees: 8 to 12 inches, 4 cts. each; 12 to 18 inches, 5 cts. each.

American Arbor Vitae (White Cedar)—18 to 24 inches, 5 cts. each.

Seedling evergreens can have B & B packing, each tree separate. 4 to 12 inch at 5c each; 12 to 24 at 10c each; 2 to 3 feet at 15c each.

Potted Liners

Can be field grown without shade. Preferred by many for home ground ornamental planting. Very hardy and of rapid growth. Varieties: American Yew, Globe Arbor Vitae, Pyramidal Arbor Vitae, Irish Juniper, Sabin Juniper, Pfitzer Juniper.

From 2 inch pots, 4 to 6 inch, \$10.00 per hundred
25 and up at 100 rates. Less than 25 at 15 cts. each.

SMALL EVERGREEN SEEDLINGS

American Arbor Vitae, Balsam Fir, Douglas Fir—2 to 3 inches, \$5 per 1000. 100 at 1000 rate. Less than 100 at 2 cents each.

Under Stocks for Grafting

American Arbor Vitae sometimes known as White Cedar (*Thuja Occidentalis*). Various sizes selected to have suitable caliper. \$25 per 1000. 250 at thousand rate. Less than 250 trees 5 cts. each.

Evergreen Cuttings for Greenhouse Propagation

American Yew (*Taxus Canadensis*), American Arbor Vitae (*Thuja Occidentalis*), Common Juniper (*Juniperus Communis*), Wisconsin Juniper (*Juniperus Communis Dupressa*) furnished in late March or early April. \$1.00 per 100; \$9.00 per 1000.

DECIDUOUS TREE SEEDLINGS

12 to 18 inches at \$15.00 per 1000. 50 trees and up at 1000 rates.

Less than 50 trees of one variety at 2 cents each.

American Elm	Chinese Elm	Honey Locust	Tree of Heaven
Box Elder	Green Ash	Red Mulberry	Shaking Aspens
Black Ash	Sugar Maple	Beechnut Tree	Western Catalpa
Silver Leaved Maple		European White Birch	
American White or Paper Birch			

FRUIT TREE SEEDLINGS

12 to 18 inches at \$20.00 per 1000. 50 trees and up at 1000 rates.

Less than 50 trees of one variety at 3 cents each.

Apple Tree	Cherry Mahaleb	Native Plum	Plum Myrobolan
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CUTTINGS FOR PROPAGATION

\$4.50 per 1000. 50 cents per 100.

Lombardy Poplar	Grey Cornus	Russian Golden Willow
Carolina Poplar	Nine Barks	Red Twigged Cornus
Pussy Willow	Balm of Gilead	American Linden

Pembine is located on U. S. Highway 141 where U. S. Highway 8 intersects 82 miles north of the city of Green Bay, Wisconsin, and 17 miles south of Iron Mountain, Michigan. This point is also at the junction of the C. M. St. P. & P. and Soo Line railroads—in the land of forests and lakes and the home of the evergreens.



White Cedar



Red Cedar

SEEDS

Evergreens, Deciduous Trees, Shrubs, Vines, Climbers Seeds of Evergreens and Conifers

<i>Varieties</i>	<i>Per oz.</i>	<i>Per lb.</i>
Abies Balsamea—Balsam Fir	\$.25	\$3.00
Abies Concolor—Colorado Silver Fir .....	.15	2.00
Abies Nordmanniana—Caucasian Silver Fir .....	.35	5.00
Abies Numidica—Algerian Silver Fir .....	.40	6.00
Abies Pectinata—European Silver Fir .....	.10	1.00
Abies Siberica—Siberian Silver Fir .....	.35	5.00
Cedrus Atlantica—Mount Atlas Cedar .....	.15	2.00
Cedrus Libani—Cedars of Lebanon .....	.15	2.00
Cryptomeria Japonica—Japanese Cedar .....	.15	2.00
Juniperus Communis—Common Juniper .....	.15	2.00
Juniperus Communis Dupressa—Wisconsin Juniper ..	.15	2.00
Juniperus Dupressa Aurea—Golden Tipped Juniper ..	.25	3.00
Juniperus Scopolorum—Black Hills Silver Cedar ....	.25	3.00
Juniperus Sabina—Sabin Juniper .....	.25	3.00
Juniperus Virginia—Wisconsin Red Cedar .....	.15	2.00
Larix Europea—European Larch .....	.15	2.00
Larix Leptolepis—Japanese Larch .....	.35	5.00
Larix Siberica—Siberian Larch .....	.30	4.00
Picea Excelsa—Norway Spruce .....	.10	1.00
Picea Excelsa Borealis—Polar Spruce .....	.35	5.00
Picea Engelmanni—Engelman Spruce .....	.30	4.00
Picea Canadensis—White Spuce .....	.25	3.00
Picea Canadensis Albertina—Black Hills Spruce .....	.40	6.00
Picea Mariana—Black Spruce .....	.65	10.00
Picea Omorika—Serbian Spruce	1.50	20.00
Picea Pungens Glauca—Colorado Blue Spruce .....	.40	6.00
Picea Rubra—Red Spruce .....	.30	4.00
Pinus Austriaca—Austrian Pine .....	.12	1.50
Pinus Aristata—Bristle Cone Pine .....	.25	3.00
Pinus Banksiana—Jack Pine .....	.25	3.00
Pinus Densiflora—Japanese Pine .....	.15	2.00
Pinus Mugho Compacta—Mugho Pine .....	.20	2.50

<i>Varieties</i>	<i>Per oz.</i>	<i>Per lb.</i>
Pinus Pumilio— <i>Dwarf Mountain Pine</i> .....	.35	5.00
Pinus Resinosa— <i>Norway Pine</i> .....	.60	8.00
Pinus Strobus— <i>White Pine</i> .....	.25	3.00
Pinus Sylvestrus— <i>Scotch Pine</i> .....	.15	2.00
Pseudotsugo Douglassi— <i>Douglas Fir</i> .....	.25	3.00
Pseudolarix Kaempferi— <i>Golden Larch</i> .....	.35	5.00
Taxus Bacata— <i>English Yew</i> .....	.15	1.50
Taxus Cuspidata— <i>Japanese Yew</i> .....	.20	2.50
Thuja Orientalis— <i>Chinese Arbor Vitae</i> .....	.10	1.00
Thuja Occidentalis— <i>American Arbor Vitae</i> .....	.25	3.00
Thuja Orientalis Aurea— <i>Golden Arbor Vitae</i> .....	.15	2.00
Thuja Orientalis Compacta— <i>Compact Arbor Vitae</i> ....	.15	2.00
Thuja Orientalis Pyramidali— <i>Pyramidal Arbor Vitae</i> ..	.15	2.00
Tsuga Canadensis— <i>Canadian Hemlock</i> .....	.60	7.00
Tsuga Carolina— <i>Carolina Hemlock</i> .....	.65	10.00

Deciduous Tree and Shrub Seed

Acer Dasycarpum— <i>Soft Silver Maple</i>	\$.15	\$2.00
Acer Negundo— <i>Box Elder</i> .....	.10	1.00
Acer Plantanoids— <i>Norway Maple</i> .....	.10	1.00
Acer Polymarpum Atroquapreum— <i>Japanese Red Maple</i> ..	.60	8.00
Acer Rubrum— <i>American Red Maple</i> .....	.25	3.00
Acer Sachranum— <i>Sugar Maple</i> .....	.15	2.00
Acer Spicatum— <i>Mountain Maple</i> .....	.35	5.00
Amalanchier Alnifolia— <i>Dwarf June Berry</i> .....	.35	5.00
Amalchier Canadensis— <i>Sarvice Berry</i> .....	.15	2.00
Alanthus Glandulosa— <i>Tree of Heaven</i> .....	.10	1.00
Berberis Thunbergi— <i>Japanese Barberry</i> .....	.10	1.00
Atropurpurea— <i>Japanese Red Barberry</i> .....	.40	6.00
Betula Alba— <i>European White Birch</i> .....	.10	1.00
Betula Lutea— <i>Yellow Birch</i> .....	.15	2.00
Betula Fontanalis— <i>Water Birch</i> .....	.40	4.00
Betula Payparacea— <i>Canoe or Paper Birch</i> .....	.15	2.00
Coloneaster Acutifolia— <i>Coloneaster Hedge</i> .....	.10	1.00
Cornus Stolinfera— <i>Red Twigged Dogwood</i> .....	.15	2.00
Cornus Vaccinum Pennsylvanicum— <i>Grey Dogwood</i> ..	.25	3.00
Cornus Rugosa— <i>Yellow Dogwood</i> .....	.30	4.00
Carangana Aborescens— <i>Siberian Pea Tree</i> .....	.15	2.00
Ceanothus Ovatus— <i>New Jersey Tea</i> .....	.35	5.00
Catalpa Speciosa— <i>Western Catalpa</i> .....	.10	1.00
Comtonia Aspenfolia— <i>Sweet Fern</i> .....	.35	5.00
Carpinus Betulus— <i>European Hornbeam</i> .....	.10	1.00
Carpinus Americana— <i>American Hornbeam</i> .....	.35	5.00
Fraxinus Americana— <i>White Ash</i> .....	.15	1.20
Fraxinus Sambucifolia— <i>Black Ash</i> .....	.20	2.50
Fraxinus Lanceolata— <i>Green Ash</i> .....	.10	1.00
Hammelis Virginiana— <i>Witch Hazel</i> .....	.35	5.00
Ilex Verticillata— <i>Winter Berry</i> .....	.25	3.00
Morus Alba— <i>White Mulberry</i> .....	.15	2.00
Morus Tartarica— <i>Russian Mulberry</i> .....	.25	3.00
Prunus Mahaleb— <i>Mahaleb Cherry</i> .....	.10	1.00
Prunus Melanocarpa— <i>Choke Cherry</i> .....	.05	.50
Prunus Pumila— <i>Flowering Sand Cherry</i> .....	.25	3.00
Prunus Pennsylvanica— <i>Wild Red Cherry</i> .....	.10	1.00
Prunus Seritona— <i>Wild Black Cherry</i> .....	.10	1.00
Prunus Tomentosa— <i>Chinese Bird Cherry</i> .....	.15	2.00
Pyrus Malus— <i>Apple Seed</i> .....	.10	1.00
Pysocarpus Opilfolius— <i>Nine Barks</i> .....	.40	6.00
Rhus Glabra— <i>Sumac</i> .....	.10	1.00
Rhamnus Cathartica— <i>Common Buckthorn</i> .....	.10	1.00

<i>Varieties</i>	<i>Per oz.</i>	<i>Per lb.</i>
Rhamnus Frangula— <i>Glossy Buckthorn</i> .....	.12	1.50
Robinia Pseudo— <i>Acacia Black Locust</i> .....	.05	.50
Rosa Blanda— <i>Wisconsin Wild Rose</i> (in pods) .....	.05	.50
Sorbus Americana— <i>American Mountain Ash</i> .....	.10	1.00
Sorbus Aquaria— <i>European Mountain Ash</i> .....	.10	1.00
Sambucus Melanocarpa— <i>Black Elder</i> .....	.35	5.00
Sambucus Nigra Aurea— <i>Golden Elder</i> .....	.35	5.00
Sambucus Nigra— <i>European Cut Leaved Elder</i> .....	.35	5.00
Sambucus Pubscens— <i>Red Berried Elder</i> .....	.35	5.00
Tilia American Linden .....	.15	2.00
Tilia Argentea Tomentosa— <i>Silver Linden</i> .....	.15	2.00
Tilia Grandiflora Platyphyllos— <i>Eur. Big Leaf Linden</i> .....	.15	2.00
Tilia Parvifolia— <i>Common European Linden</i> .....	.10	1.00
Ulmus Americana— <i>American White Elm</i> .....	.25	3.00
Ulmus Campestris— <i>English Elm</i> .....	.25	3.00
Ulmus Parvifolia— <i>Chinese Elm</i> .....	.30	4.00
Viburnum Americana— <i>American Cranberry Bush</i> ....	.15	2.00
Viburnum Opulis— <i>European Cranberry</i> .....	.15	2.00
Viburnum Acerfolium— <i>Maple Leaved Shrub</i> .....	.25	3.00
Viburnum Lentago— <i>Northern Haw</i> .....	.25	3.00

Seeds of Vines and Climbers

Ampelopsis Quinquefolia— <i>Virginia Creeper</i> .....	.15	2.00
Ampelopsis Vetchi— <i>Boston Ivy</i> .....	.25	3.00
Celastrus Scandens— <i>Bitter Sweet</i> .....	.25	3.00
Clematis Ligustifolia— <i>Virgin Bower</i> .....	.35	5.00

SEED PACKETS

25c each. **5** for **\$1.00**

Shipped parcel post at no extra charge.

Packets contain 100 seeds of one of the following varieties: Colorado Blue Spruce (*Picea Pungens*), Colorado Silver Fir (*Abies Concolor*), Engelman Spruce (*Picea Engelmani*), White Spruce (*Picea Canadensis*), Canadian Hemlock (*Tsuga Canadensis*). Each packet will be correctly labeled. Seeds can be planted in pots in late winter or outdoors in the spring. The assortment should be useful for persons interested in object teaching or experimental work.

We have an up-to-date system of dessicating, cleaning and testing seeds and the seed we send out is *Pure* and of high germinating qualities. It is seed that *Grows*. We prefer seed orders early in the fall and will fill same subject to crop being sufficient and with the understanding that no liability will attach in case of failure to crop from any cause. Although we furnish seeds of high germinating percentage, they are without warranty in respect to growth; there being many causes which prevent good seeds from germinating.

The seeds priced in this list are of American, European, Asiatic, and North African species and are suitable for planting in a temperate climate. We can furnish seeds for tropical and semi-tropical climates and will price on request with a list of requirements of same.

We make no charge for bags or packing. Less than one-half pound of seeds will be charged at ounce rates, and we will pay parcel post on same. One-half pound and up will be charged at pound rates and buyer pays transportation charges. For quantity orders amounting to \$10 or more, write for special discounts.

Assemblers and Dealers — Collect — Extract — Import — Export

ORNAMENTAL SHRUBS

We furnish for planting an extensive and varied assemblage of varieties. Arranged in groups it is more convenient to make selections.

Group No. 1—Can be used for ornamental planting and produce immense crops of fruits that are valued for home use and marketing.

15 cts each; \$1.50 per dozen; \$10 per hundred

Amelanchier Alnifolia—*Dwarf June Berry*—1 to 2 feet.
Amelanchier Canadensis—*Sarvice Berry*—2 to 4 feet.
Prunus Pumila—*Sand Cherry*—1 to 2 feet.
Prunus Melanocarpa—*Choke Cherry*—1 to 2 feet.
Prunus Maritima—*Wild Plum*—2 to 4 feet.
Prunus Tomentosa—*Chinese Bird Cherry*—1 to 2 feet.
Vaccinium Pennsylvanicum—*Blue Berry*—1 to 2 feet.
Viburnum Americana—*High Bush Cranberry*—2 to 4 feet.

Group No. 2—Very ornamental. Some bear pretty flowers; other varieties have white berries and some have deep red berries that remain adhered until the winter months.

15 cts each; \$1.50 per dozen; \$10 per hundred

Ceanothus Ovatus—*New Jersey Tea*—1 to 2 feet.
Corylus Americana—*Hazelnut*—2 to 4 feet.
Cornus Paniculata—*Panicked Dogwood*—2 to 4 feet.
Cornus Rugosa—*Golden Twigged Dogwood*—1 to 2 feet.
Comptonia Asplenifolia—*Sweet Fern*—1 to 2 feet.
Dirca Palustris—*Leather Wood*—1 to 2 feet.
Hamamelis Virginiana—*Witch Hazel*—2 to 4 feet.
Ilex Verticillata—*Winter Berry*—2 to 4 feet.
Lonicera Ciliata—*Dwarf Honeysuckle*—1 to 2 feet.
Nemophanthus Mucronata—*Mountain Holly*—1 to 2 feet.
Rhus Glabra—*Sumac*—2 to 4 feet.
Rubus Odoratus—*Flowering Raspberry*—1 to 2 feet.
Sambucus Melanocarpa—*Black Elderberry*—1 to 2 feet.
Sambucus Nigra Aurea—*Golden Elderberry*—1 to 2 feet.
Sambucus Pubens—*Red-berried Elderberry*—1 to 2 feet.
Sambucus Acutiloba—*Cut Leaved Elderberry*—1 to 2 feet.
Symphoricarpus Racemosus—*White Snowberry*—1 to 2 feet.
Symphoricarpus Vulgaris—*Red Snowberry*—1 to 2 feet.
Spirea Latifolia—*Meadow Sweet*—1 to 2 feet.
Philadelphus Coronarius—*Mock Orange*—2 to 4 feet.
Viburnum Lentago—*Northern Haw*—2 to 4 feet.
Viburnum Acerfolium—*Maple Leaf Viburnum*—1 to 2 feet.
Zanthoxylum Americana—*Prickly Ash*—2 to 4 feet.

Group No. 3—In this group are shrubs that thrive best where there is plenty of moisture. Can be planted on lake shores, river banks, or to cover up deep damp swales or near water fountains.

15 cts each; \$1.50 per dozen; \$10 per hundred

Acer Spicatum—*Mountain Maple*—A large maple-leaved shrub. At the first frost leaves turn a creamy yellow and small maple-like seeds a bright pink. 2 to 4 feet.
Betula Fontinalis—*Water Birch*—A medium sized birch-like shrub. Bears pinnacles of seed in the autumn. 1 to 2 feet.
Cornus Stolonifera—*Red Twig Dogwood*—Twigs blood red, white flowers followed with bunches of white berries. 1 to 2 feet.
Salix Caprea—*Pussy Willows*—In the early Spring before the leaves appear the twigs of this shrub are covered with glistening silver-ed catkins that make a very pleasing appearance. 2 to 4 feet.

Group No. 4—In this group are shrubs that grow quite compact and stand trimming well. Used mostly for hedges.

Price 10 cts. each; \$1 per dozen; \$8 per hundred.

Berberis Thunbergii—*Japanese Barberry*—12 to 18 inches.
Berberis Thunbergii Atropurpurea—*Red Leaved Barberry*—8 to 12 in.
Physocarpus Opulifolius—*Ninebarks*—1 to 2 feet.
Caragana Aborescens—*Siberian Pea Tree*—1 to 2 feet.
Ligustrum Amurense—*Amoor River Privet North*—1 to 2 feet.
Ligustrum Poleski—*Polish Privet*—1 to 2 feet.
Rhamnus Cathartica—*Buckthorn*—1 to 2 feet.

Group No. 5—Well known and planted for their wealth of flowers.

Price 25 cts. each; \$2.50 per dozen; \$20 per hundred.

Hyderangea Aborescens—*Hills of Snow*—1 to 2 feet.
Hyderangea Paniculata Grandiflora—*Peegee Hyderangea*—2 to 4 feet.
Philadelphus Virginalis—*Flowering Mock Orange*—1 to 2 feet.
Lonicera Tartarica—*White Tartarian Honeysuckle*—2 to 4 feet.
Lonicera Tartarica—*Red Tartarian Honeysuckle*—2 to 4 feet.
Lonicera Tartarica—*Pink Tartarian Honeysuckle*—2 to 4 feet.
Rhus Cotinus—*Purple Fringed Sumac*—
Spirea Bumalda—*Spirea Anthony Waterer*—1 to 2 feet.
Spirea Van Houtte—*Bridal Wreath*—2 to 4 feet.
Syringa Persica—*Persian Lilac*—2 to 4 feet.
Syringa Alba—*White Lilac*—2 to 4 feet..
Syringa Vulgaris—*Purple Lilac*—2 to 4 feet.
Weigela—*Weigela Rose*—2 to 4 feet.

Group No. 6—Vines and climbers for covering bare walls and arbors. Nice strong plants two years old.

Price 25 cts. each; \$2.50 per dozen; \$20 per hundred.

Amelopsis Quinquefolia—*Virginia Creeper*
Amelopsis Veitchii—*Boston Ivy*
Clematis Ligusticifolia—*Virgin Bower*
Celastrus Scandens—*Bitter Sweet*
Euonymus Radicans—*Evergreen Creeper*
Lonicera Salimanthi—*Climbing Honeysuckle*
Lonicera Sempevirens—*Scarlet Trumpet Honeysuckle*
Lycium Chinensis—*Matrimony Vine*

ROSES

Frau Karl Drushki—A pure white large double. 2 yrs. 50c each.
Grus An Teplitz—Dark red, very large double. 2 yrs. 50c each.
Persian Yellow—A large double, true color. 2 yrs. 50c each.
Red Radiance—One of the best roses, large double. 2 yrs. 50c each.
White Hedge Rose—*Rosa Hispidi*—Small double white. Stands trimming, makes a beautiful hedge. 12 to 18 inches. 10c each.
Dorothy Perkins Climber—A pink double. 2 yrs. 25c each.
Wisconsin Wild Rose—*Rosa Blanda*—Single pink. 12 to 18 in. 5c each.
Queen of the Prairie—Medium size pink double. 15c each.
Rock Garden Rose—*Rosa Rouletti*—Grows 8 to 12 inches. Roses are blood red, single. 25c each.
Illinois Wild Rose—*Rosa Rugosa*—Single white or single pink. 2 to 4 feet. 10c each.

PEONIES

Three to five eye, 25 cts. each. Two to three eye, 15 cts. each

<i>Augustin D' Houre</i> —Red	<i>Duchess D' Orleans</i> —Pink
<i>Delache</i> —Dazzling Red.	<i>Albataire</i> —White
<i>Baroness Rothschild</i> —Pink.	<i>Duchess De Nemours</i> —Ivory White

HARDY FERNS

- Petris Nodulosa—*Ostrich Fern*—Often called the Palm of the North, grows fronds four and five feet tall; is dormant in the winter, can be planted along walks or otherwise for landscape work; nice strong clumps. Shipped spring or fall. 15 cts. each.
- Polypodium Vulgare—*Rock Fern*—Small evergreen fern, very pretty, small fronds from four to six inches tall, likes shade and moisture, looks well in the rockery, makes nice table fern. 10 cts. each.
- Adiantum Pedatin—*Maiden Hair Fern*—Stands sunlight well, can be planted in pots in the summer, is dormant in the winter, has many uses. 10 cts. each.
- Adiantum Christatum—*Cut Leaf Fern*—Very pretty fronds about 12 inches in length; must have shade, remains green during winter. 10 cts. each.
- Aspidium Acrostichoides—*Dagger Fern*—Evergreen, beautiful fronds about 12 to 14 inches; likes shade, can be used for indoor planting. 10 cts. each.

ROCK GARDEN PLANTS

For rock garden planting creeping or matting plants, sedums, and low growing perennials are most satisfactory. Of these the sedums may be planted any time during the spring or summer months. Perennials and ferns, however, are recommended for fall planting such as in late August, September, and early October. Prices: 10 cts. each, \$1.00 per dozen, \$8.00 per 100.

- Sedum Acre—*Gold Moss*—Yellow flowers, low growth.
- Sedum Album—*Bronze Foliage*—White flowers, low growth.
- Sedum Ervesi—*Blue Foliage*—Pink flowers, low growth.
- Sedum Forsterianum—*Blue Foliage*—Pink flowers low, growth.
- Sedum Stoloniferum—*Evergreen Foliage*—Purplish pink flowers.
- Sedum Kamtschaticum Variagata—*Variegated Foliage*—Orange yellow flowers.
- Sedum Sarmentosum—*Trailing Habit*—Yellow flowers.
- Sedum Griffithale—*Mossy Foliage*—Yellow flowers.
- Sedum Hispanicum—*Blue Foliage*—White flowers, low growth.
- Sedum Kamtschaticum—*Green Foliage*—Yellow flowers, low growth.

SEMPERVIVUMS AND OTHER PERENNIALS

Prices: 10 cts each; \$1.00 per dozen; \$8.00 per 100.

- Armacena Tryphilum—*Indian Turnip or Jack in the Pulpit*.
- Aquilaga Canadensis—*Gold Thread*.
- Aspum Canadensis—*Colts Foot or Wild Ginger*.
- Aralia Nudcalius—*Sarsaparilla*.
- Aralia Racemosa—*Spikenard*.
- Arctostaphylos Uva-Ursi—*Bearberry*—Trailing ground cover, red fruit
- Chimphilia Umbelata—*Princess Pine*.
- Chiogenes Hispidula—*Creeping Snowberry*.
- Convallaria Majalis—*Lily of the Valley*.
- Capanula Rotundiflora—*Blue Bells*.
- Cornus Canadensis—*Bunch Berry*.
- Dianthus Deltoides—*Maiden Pink*.
- Epigea Repens—*Trailing Arbutus*.
- Gauthara Porcupemus—*Winter Green*.
- Lycopodium Clavatung—*Christmas Green*.
- Linum Perenne—*Perennial Flax*—Blue flowers.
- Iris Pumila—*Dwarf Iris*—Pink and dark blue.
- Iris Versicolor—*Fleur de Lis or Blue Flag*.
- Maianthemum Canadense—*Canada Mayflower*—Small white flowers.
- Mixed Thyme—Trailing and creeping varieties.

Nepeta Mussini—*Ground Ivy*—Lavender flowers.
 Pachysandra Terminalis—*Japanese Spurge*—Evergreen ground cover.
 Pentstemon Hirsutus—*Eastern Pentstemon*—Lavender flowers.
 Phlox Subluata Alba—*Moss Phlox*—White flowers.
 Phlox Subluata Lilacina—*Moss Phlox*—Lavender flowers.
 Saponaria Ocymoides—Trailing pink flowers.
 Saracena Purpurea—*Pitcher Plant*.
 Sempervivum Tectorum—Brown tipped leaves, pale red rosette.
 Sempervivum Blandum—Bronze leaves, deep red rosette.
 Sempervivum Globiferum—Grey-green leaves, yellow rosette.
 Stylophorium Dyphiliun—*Blood Root*.
 Vinca Minor—*Creeping Myrtle*—Evergreen foliage, blue flowers.
 Viola Adunca—*Sand Violet*—Blue.

Price: 15 cts. each, \$1.50 per dozen, \$10.00 per hundred.

Trillium Grandiflora—*Early White Lily*.
 Lillium Tigrum—*Tiger Lily*.
 Lillium Philadelphicum—*Wild Red Lily*.

Price: 5 cts. each, 50 cts. per dozen, \$5 per hundred.

Rudbeckia Lactinata—*Golden Glow*.
 Althea Rosea—*Hollyhock*.

Classed together, very rare. Price: 25 cts each. \$2.50 per dozen.

Hydrastus Canadensis—*Golden Seal*.
 Cypripedium Repens—*Large Yellow Lady Slipper*.
 Cypripedium Spectabile—*Pink Showy Lady Slipper*.
 Panox Quinquifolia—*Ginseng*.
 Yucca Harrimania—*Spanish Bayonet*—Green leaves, white margins
 Dicentra Spectabile—*Bleeding Heart*.

FRUIT TREES AND SMALL FRUITS

APPLES

4½ feet and up, 50 cts. each; \$5 per dozen; \$40 per 100.

3 feet and up, 30 cts. each; \$3 per dozen; \$24 per 100.

S—Summer F—Fall W—Winter C—Commercial H—Home

<i>Anoka</i> —SH red mottled yellow	<i>Missouri Pippin</i> —WC red
<i>Baldwin</i> —WC red	<i>Nebraska Golden</i> —WCH yellow
<i>Ben Davis</i> —WC red	<i>N. W. Greening</i> —WC yellow
<i>Delicious</i> —WC red	<i>Rambo</i> —WH yellow
<i>Black Ben</i> —WC dark red	<i>Red Astrachan</i> —SH red
<i>Duchess</i> —SH yellow	<i>Red Delicious</i> —WCH solid red
<i>Early Harvest</i> —SH yellow	<i>Red June</i> —SH red
<i>Fall Pippin</i> —FH yellow	<i>R. I. Greening</i> —WH yellow
<i>Fameuse</i> —FH red	<i>Rome Beauty</i> —WC red
<i>Gano</i> —WC dark red	<i>Stayman Winesap</i> —WC red
<i>Golden Winesap</i> —WCH yellow	<i>Tolan Sweet</i> —WC yellow
<i>Grimes Golden</i> —WCH yellow	<i>Wealthy</i> —FC red
<i>Janet</i> —WH yellow	<i>Winesap</i> —WC red
<i>Jonathan</i> —WC red	<i>Winter Banana</i> —WCH yellow
<i>King David</i> —WH solid red	<i>Wolf River</i> —FH yellow and red
<i>Maiden Blush</i> —FH yellow	<i>Yellow Bellflower</i> —SC yellow
<i>McIntosh</i> —WC red	<i>Yellow Transparent</i> —SH yellow
<i>M. B. Twig</i> —WC red	<i>York Imperial</i> —WC red

CRAB APPLES—Two Years

(Prices same as apples)

<i>Florence</i> —FCH yellow and red	<i>Transcendent</i> —SH yellow
<i>Hyslop</i> —FC red	<i>Whitney</i> —SH yellow and red
<i>Red Siberian</i> —FH red	<i>Yellow Siberian</i> —FH yellow

CHERRIES

3 feet and up, 50 cts. each; \$5 per dozen; \$40 per 100.

Large Montmorenci, Dyehouse, Wragg, May Duke, Early Richmond
English Morello

PLUMS

3 feet and up, 50 cts. each; \$5 per dozen; \$40 per 100.

<i>Lombard Purplish</i> —red, med.	<i>Yellow Egg</i> —late large
<i>Imperial Gage</i> —green, med.	<i>Wild Goose</i> —bright red, early
<i>Shropshire Damson</i> —blue, early	<i>People's Pride</i> —dark red, early

CHERRY—PLUM—Hybrid

Compass Cherry Plum—Red, bears very young.

3½ feet and up, 50 cts. each; \$5 per dozen; \$40 per 100.

PLUM—Hansen Hybrid

3½ feet and up, 50 cts. each; \$5 per dozen; \$40 per 100.

<i>Hansa</i> —bright red, bears early	<i>Sapa</i> —dark purple, very early
<i>Opata</i> —red, early	<i>Waneta</i> —red, very large

PEAR—*Golden Kieffer*—4 feet and up at 50 cts. each.

CURRANTS

Two years, strong plants. 10 cts. each; \$1 per dozen; \$8 per 100.

Cherry, North Star, White Grape, Fay's Prolific, Perfection, Wilder.

GOOSBERRIES

Two years, strong plants. 15 cts. each; \$1.50 per dozen; \$12 per 100.

Downing Houghton Josselyn Pearl

BLACKBERRIES

R C plants. 3 cts. each; 30 cts. dozen; \$2 per 100.

Ancient Briton Early Harvest Eldorado Mersereu Snyder

RASPBERRIES

Strong plants. 3 cts. each; 30 cts. per dozen; \$2 per 100.

Chief Red, Columbian Purple Tips, Cumberland Black Tips, Cuthbert
Red, Latham Red, New Logan Black Tips, St. Regis Red.

CHRISTMAS TREES AND EVERGREEN DECORATIONS

Christmas Trees

For a number of years we have made the furnishing of Christmas trees and holiday decorations a leading branch of our business. Our satisfied customers now cover a large territory.

The trees we send out are carefully selected in the proper season and will remain fresh and green long after the holidays are over. Our native dark-colored spruce are the very best for Christmas trees. While the silvery-green white spruce and darker colored balsam fir are much in demand for general purposes, these two varieties are very popular as large trees to be placed in churches and auditoriums.

Size	Price Each		
2 to 3 feet	\$.10	10 to 12 feet .....	.75
3 to 4 feet .....	.15	12 to 14 feet	1.00
4 to 6 feet .....	.20	14 to 16 feet	2.00
6 to 8 feet .....	.25	16 to 18 feet	3.00
8 to 10 feet .....	.50	18 to 20 feet	4.00
		20 to 24 feet	5.00

Colorful Spruce Trees Sprayed Green or Silvered

Stands attached. State size and color.

15 to 18 inches 50c each 30 to 36 inches 75c each

Municipal Christmas Trees

We can supply trees of large size and splendid proportions priced according to length from 24 to 40 feet. These trees are wrapped in burlap and shipped by express. The trees are too long for ordinary freight transportation and flat-car transportation proves very costly.

Prices given on request stating size desired.

Evergreen Boughs

We offer the branches of the evergreen trees cut in various lengths and packed in neat well-tied bales of following varieties: American Arbor Vitae, Balsam Fir, Black Spruce, Jack Pine, Norway or Red Pine, Hemlock, White Spruce, and White Pine.

These can be shipped by freight at a low cost.

\$2.00 per 100 pounds.

Spruce and Balsam boughs can be furnished in quantities of three tons and over. A very liberal discount is allowed for shipments of carload lots of three to ten tons. We will be pleased to entertain any proposals on these varieties in such quantities.

The other varieties mentioned above are not so plentiful which prohibits the discount on quantity orders.

Evergreen Sprays

The tips of evergreen branches cut in convenient lengths and tied in bunches of ten. Varieties: American Arbor Vitae, Balsam Fir, Black Spruce, Jack Pine, White Pine, White Spruce, Red Pine, Scotch Pine, Austrian Pine, Ponderosa Pine. These sprays have many uses and will take the place of cut ferns in many cases.

10 bunches (100 tips) 50c; 100 bunches (1000 tips) \$4.00.

Christmas Green, Holly, Immortelles, Bitter Sweet

Christmas Green (Lycopodium) fresh and green from our northern woods, has no equal for festooning, wreathing, or other decorative purposes. Any desired number of pounds can be shipped by express in burlap bags. We also prepare quantity freight shipments in crates.

10 cents per pound.

Holly, best red-berried variety, freshly collected in nice sized crates.

\$5.00 per crate.

Immortelles dyed red in nice sized bunches. 50c per bunch.

Bitter Sweet (Celastrus Scandens) in bunches of ten with red berries attached. Very beautiful for home decorations.

10 cents per bunch. 100 bunches for \$8.00.

Pine and Spruce Cones

Norway or Red Pine, 100 . 50c	Norway Spruce, 100 60c
White Pine, 100 30c	Ponderosa Pine, 100 70c

Shipping dates and routing should be specified in orders. All prices are FOB Pembine, Wisconsin.

